

Appl. No. 10/658,090
Atty. Docket No. 9024M2
Amdt. dated: July 8, 2005
Amendment & Reply to the Office Action dated March 8, 2005

2

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, listings of claims in the application:

Listing of Claims

1. (Currently Amended) A laundry product composition comprising a stable mixture of:
 - a) from about 0.1% to about 10%, by weight of the composition, of at least one water insoluble silicone derivative fabric care benefit agent, wherein the silicone derivative fabric care benefit agent has a particle size of from about 1nm to 100 microns; and
 - b) from about 0.01% to about 5%, by weight of the composition, of at least one cationic cellulose delivery enhancing agent;
 - c) from about 1% to about 80%, by weight of the composition, of a surfactant;
 - d) from about 0.1% to about 80%, by weight of the composition, of a builder;
 - e) from about 0.001% to about 5%, by weight of the composition, of a compatible enzyme selected from lipase enzymes, protease enzymes or mixtures thereof;

wherein the ratio of the delivery enhancing agent to the fabric care benefit agent is from about 1:50 to about 1:1.
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Original) A laundry product composition according to Claim 1 wherein the stable mixture is formed in situ.
7. (Canceled)
8. (Canceled)
9. (Canceled)

Appl. No. 10/658,090

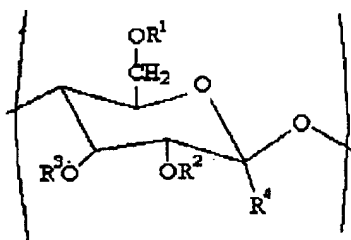
3

Atty. Docket No. 9024M2

Amdt. dated: July 8, 2005

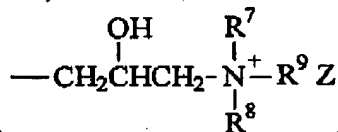
Amendment & Reply to the Office Action dated March 8, 2005

10. (Original) A laundry product composition according to Claim 1 wherein the cationic cellulose has the structure:



wherein R^1 , R^2 , R^3 are each independently H, CH_3 , C_{8-24} alkyl (linear or branched),

$\left(\text{CH}_2\text{CH}(\text{R}^5)\text{O} \right)_n \text{Rx}$ or mixtures thereof; wherein n is from about 1 to about 10; Rx is H,



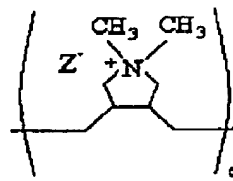
CH_3 , C_{8-24} alkyl (linear or branched),

or mixtures thereof,

wherein Z is a chlorine ion, bromine ion, or mixture thereof; R^5 is H, CH_3 , CH_2CH_3 , or mixtures thereof; R^7 is CH_3 , CH_2CH_3 , a phenyl group, a C_{8-24} alkyl group (linear or branched), or mixture thereof; and

R^8 and R^9 are each independently CH_3 , CH_2CH_3 , phenyl, or mixtures thereof:

R^4 is H, $\left(\text{P} \right)_m \text{H}$, or mixtures thereof wherein P is a repeat unit of an addition polymer



formed by radical polymerization of a cationic monomer

wherein Z'

is a chlorine ion, bromine ion or mixtures thereof and q is from about 1 to about 10.

11. (Currently Amended) A laundry product composition according to Claim 3 1 wherein the silicone derivative is a non-functionalized silicone having a linear, grafted, or cyclic structure; a functionalized silicone; a copolymer with one or more different types of functional groups that is an amino, alkoxy, alkyl, phenyl, polyether, acrylate, silconhydride, mercaptoproyl, carboxylic acid, quaternized nitrogen, or mixture thereof, or a mixture thereof.

Appl. No. 10/658,090

4

Atty. Docket No. 9024M2

Amdt. dated: July 8, 2005

Amendment & Reply to the Office Action dated March 8, 2005

12. (Original) A laundry product composition according to Claim 11 wherein the non-functionalized silicone is polydimethylsiloxane.

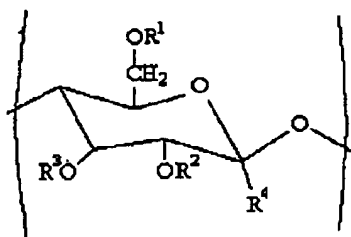
13. (Currently Amended) A detergent laundry product composition comprising:

- a) from about 1% to about 80%, by weight of the composition, of a deterative surfactant that is an anionic surfactant, cationic surfactant, nonionic surfactant, amphoteric surfactant, zwitterionic surfactant, or a mixture thereof;
 - b) from about 0.1% to about 10%, by weight of the composition, of a water insoluble silicone derivative fabric care benefit agent;
 - c) from about 0.01% to about 5%, by weight of the composition, of a cationic cellulose delivery enhancing agent;
 - d) from about 0.1% to about 80%, by weight of the composition, of a builder;
 - e) from about 0.001% to about 5%, by weight of the composition, of a compatible enzyme selected from lipase enzymes, protease enzymes or mixtures thereof; and
- wherein the ratio of the delivery enhancing agent to the fabric care benefit agent is from about 1:50 to about 1:1.

14. (Canceled)

15. (Canceled)

16. (Currently Amended) A detergent composition according to Claim 45 13 wherein the cationic cellulose has the structure:



Appl. No. 10/658,090

5

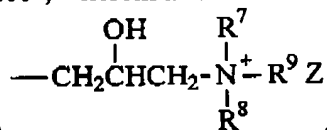
Atty. Docket No. 9024M2

Amdt. dated: July 8, 2005

Amendment & Reply to the Office Action dated March 8, 2005

wherein R^1, R^2, R^3 are each independently H, CH_3 , C_{8-24} alkyl (linear or branched),

$\left(\text{CH}_2 \overset{\text{R}^5}{\underset{|}{\text{CH}}} - \text{O} \right)_n \text{Rx}$ or mixtures thereof; wherein n is from about 1 to about 10; Rx is H,

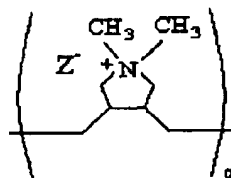


CH_3 , C_{8-24} alkyl (linear or branched),

Z is a chlorine ion, bromine ion, or mixture thereof; R^5 is H, CH_3 , CH_2CH_3 , or mixtures thereof; R^7 is CH_3 , CH_2CH_3 , a phenyl group, a C_{8-24} alkyl group (linear or branched), or mixture thereof; and

R^8 and R^9 are each independently CH_3 , CH_2CH_3 , phenyl, or mixtures thereof:

R^4 is H, $\left(\text{P} \right)_m^H$, or mixtures thereof wherein P is a repeat unit of an addition polymer



formed by radical polymerization of a cationic monomer

wherein Z'

is a chlorine ion, bromine ion or mixtures thereof and q is from about 1 to about 10.

17. (Currently Amended) A detergent composition according to Claim 14 16 wherein the silicone derivative is a non-functionalized silicone having a linear, grafted, or cyclic structure; a functionalized silicone; a copolymer with one or more different types of functional groups that is an amino, alkoxy, alkyl, phenyl, polyether, acrylate, siliconhydride, mercaptopropyl, carboxylic acid, quaternized nitrogen, or mixture thereof, or a mixture thereof.

18. (Currently Amended) A ~~laundry product~~ detergent composition according to Claim 17 wherein the non-functionalized silicone is polydimethylsiloxane.

19. (Original) A detergent composition according to Claim 13 wherein the composition is a liquid detergent.

Appl. No. 10/658,090

6

Atty. Docket No. 9024M2

Amdt. dated: July 8, 2005

Amendment & Reply to the Office Action dated March 8, 2005

20. (Canceled)

21. (New) A laundry product composition according to Claim 1 wherein the composition further comprises from about 0.001% to about 10% of an effective enzyme stabilizing system.

22. (New) A laundry product composition according to Claim 1 wherein the enzyme stabilizing system comprises calcium ions, boric acid, propylene glycol, short chain carboxylic acids, boronic acids, or mixtures thereof.

23. (New) A detergent composition according to Claim 13 wherein the composition further comprises from about 0.001% to about 10% of an effective enzyme stabilizing system.

24. (New) A detergent composition according to Claim 23 wherein the enzyme stabilizing system comprises calcium ions, boric acid, propylene glycol, short chain carboxylic acids, boronic acids, or mixtures thereof.

25. (New) A method of improving the fabric delivery efficacy of water insoluble fabric care benefit agents utilizing the detergent composition of Claim 1.

26. (New) A method of improving the fabric delivery efficacy of water insoluble fabric care benefit agents utilizing the detergent composition of Claim 13.